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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=1; day=21; hr=12; min=46; sec=33; ms=945;]

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Application No: 10538736 Version No: 1.0

Input Set:

Output Set:

Started: 2009-01-13 20:47:31.439
Finished: 2009-01-13 20:47:31.706
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 267 ms
Total Warnings: 0
Total Errors: 2
No. of SeqIDs Defined: 2
Actual SeqID Count: 2

Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (1)

SEQUENCE LISTING

<110> UNIVERSITA? DEGLI STUDI DI TORINO

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<120> MELUSIN, A MUSCLE SPECIFIC PROTEIN, AS A DRUG TARGET FOR PREVENTION
AND TREATMENT OF HEART FAILURE

<130> 4636-25 / BUS5222-CF

<140> 10538736

<141> 2009-01-13

<150> PCT/IT2002/000807

<151> 2002-12-19

<160> 2

<170> MS Word

<210> 1

<211> 350

<212> PRT

<213> Mus musculus

<400> 1

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Asn	Thr	Asn	Leu	Pro	Asp	Ser	Cys	Arg	Tyr	His	Pro	Gly	Val	Pro	Ile
			20					25					30		

Phe	His	Asp	Ala	Leu	Lys	Gly	Trp	Ser	Cys	Cys	Arg	Lys	Arg	Thr	Val
		35					40					45			

Asp	Phe	Ser	Glu	Phe	Leu	Asn	Ile	Lys	Gly	Cys	Thr	Val	Gly	Leu	His
	50					55					60				

Cys	Ala	Glu	Lys	Leu	Pro	Glu	Val	Pro	Pro	Gln	Pro	Glu	Gly	Pro	Ala
65					70					75					80

Thr	Ser	Ser	Leu	Gln	Glu	Gln	Lys	Pro	Leu	Asn	Thr	Ile	Pro	Lys	Ser
				85					90					95	

Ala	Glu	Thr	Leu	Phe	Arg	Glu	Arg	Pro	Lys	Ser	Glu	Met	Pro	Pro	Lys
			100					105					110		

Leu	Leu	Pro	Leu	Leu	Ile	Ser	Gln	Ala	Leu	Gly	Val	Ala	Leu	Glu	Gln
							115			120				125	

Lys Glu Leu Asp Gln Glu Pro Gly Ala Gly Leu Asp Asn Ser Leu Ile
130 135 140

Trp Thr Gly Ser Ser Cys Gln Asn Pro Gly Cys Asp Ala Val Tyr Gln
145 150 155 160

Gly Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro
165 170 175

Arg Phe His Glu Gly Met Lys Ser Trp Ser Cys Cys Gly Ile Gln Thr
180 185 190

Leu Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg
195 200 205

His Asp Trp Ala Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His
210 215 220

Gln Thr Asp Ser Val Val Val Leu Thr Val Tyr Gly Gln Ile Pro Leu
225 230 235 240

Pro Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His
245 250 255

Ile Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp
260 265 270

Gly Val Ile Asn Val Glu Gln Ser Ser Val Ser Leu Met Pro Ser Arg
275 280 285

Val Glu Ile Ser Leu Val Lys Ala Asp Pro Gly Ser Trp Ala Gln Leu
290 295 300

Glu His Pro Asp Ser Leu Ala Glu Lys Ala Arg Ala Gly Val Leu Leu
305 310 315 320

Glu Met Asp Glu Glu Glu Ser Glu Asp Ser Asp Asp Asp Leu Ser Trp
325 330 335

Thr Glu Glu Glu Asp Glu Glu Glu Glu Glu Ala Met Gly Glu
340 345 350

<210> 2

<211> 347

<212> PRT

<213> Homo sapiens

<400> 2

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1 5 10 15

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20 25 30

Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Arg Lys Arg Thr Val

35		40		45	
Asp Phe Ser Glu Phe Leu Asn Ile Lys Gly Cys Thr Met Gly Pro His					
50		55		60	
Cys Ala Glu Lys Leu Pro Glu Ala Pro Gln Pro Glu Gly Pro Ala Thr					
65		70		75	80
Ser Ser Ser Leu Gln Glu Gln Lys Pro Leu Asn Val Ile Pro Lys Ser					
	85		90		95
Ala Glu Thr Leu Arg Arg Glu Arg Pro Lys Ser Glu Leu Pro Leu Lys					
	100		105		110
Leu Leu Pro Leu Asn Ile Ser Gln Ala Leu Glu Met Ala Leu Glu Gln					
	115		120		125
Lys Glu Leu Asp Gln Glu Pro Gly Ala Gly Leu Asp Ser Leu Ile Arg					
	130		135		140
Thr Gly Ser Ser Cys Gln Asn Pro Gly Cys Asp Ala Val Tyr Gln Gly					
145		150		155	160
Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro Arg					
	165		170		175
Phe His Glu Gly Met Lys Ser Trp Ser Cys Cys Gly Ile Gln Thr Leu					
	180		185		190
Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg His					
	195		200		205
Asp Trp Gly Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His Gln					
	210		215		220
Thr Asp Ser Leu Val Val Val Thr Val Tyr Gly Gln Ile Pro Leu Pro					
225		230		235	240
Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His Ile					
	245		250		255
Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp Gly					
	260		265		270
Val Ile Asn Val Glu Gln Ser Ser Val Phe Leu Met Pro Ser Arg Val					
	275		280		285
Glu Ile Ser Leu Val Lys Ala Asp Pro Gly Ser Trp Ala Gln Leu Glu					
	290		295		300
His Pro Asp Ala Leu Ala Lys Lys Ala Arg Ala Gly Val Val Leu Glu					
305		310		315	320
Met Asp Glu Glu Glu Ser Asp Asp Ser Asp Asp Asp Leu Ser Trp Thr					
	325		330		335
Glu Glu Glu Glu Glu Glu Glu Ala Met Gly Glu					

